

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3758	xylene adj sulfonate	US-PGPUB; USPAT	OR	ON	2009/09/23 14:35
L2	26908	delignif\$ or lignin	US-PGPUB; USPAT	OR	ON	2009/09/23 14:35
L3	180	L2 and I1	US-PGPUB; USPAT	OR	ON	2009/09/23 14:35
L4	0	1-ethyl-3-methylimidazolium adj xylene adj sulfonate	US-PGPUB; USPAT	OR	ON	2009/09/23 14:38
L5	749	1-ethyl-3-methylimidazolium	US-PGPUB; USPAT	OR	ON	2009/09/23 14:38
L6	3	I1 and I5	US-PGPUB; USPAT	OR	ON	2009/09/23 14:38
L7	18	I2 and I5	US-PGPUB; USPAT	OR	ON	2009/09/23 14:43
L8	192	1-ethyl-3-methylimidazolium	EPO; JPO; DERWENT	OR	ON	2009/09/23 14:44
L9	0	1-ethyl-3-methylimidazolium adj xylene adj sulfonate	EPO; JPO; DERWENT	OR	ON	2009/09/23 14:46
S1	19088	wood adj pulp	US-PGPUB; USPAT	OR	ON	2009/09/15 14:14
S2	2038	delignif\$	US-PGPUB; USPAT	OR	ON	2009/09/15 14:14
S3	26870	delignif\$ or lignin	US-PGPUB; USPAT	OR	ON	2009/09/15 14:16
S4	21482	wood adj pulp or cellulose adj pulp	US-PGPUB; USPAT	OR	ON	2009/09/15 14:16
S5	0	sulfonium adj aryl adj sulfonate	US-PGPUB; USPAT	OR	ON	2009/09/15 14:16
S6	3021	S3 and S4	US-PGPUB; USPAT	OR	ON	2009/09/15 14:17
S7	5	"6139683"	US-PGPUB; USPAT	OR	ON	2009/09/15 14:18
S8	3304	ionic adj liquid	US-PGPUB; USPAT	OR	ON	2009/09/15 14:21
S9	10	S6 and S8	US-PGPUB; USPAT	OR	ON	2009/09/15 14:21
S10	15604	substituted adj phenol	US-PGPUB; USPAT	OR	ON	2009/09/15 14:23
S11	296	substituted adj imidazolium	US-PGPUB; USPAT	OR	ON	2009/09/15 14:24
S12	0	S6 and S11	US-PGPUB; USPAT	OR	ON	2009/09/15 14:25

S13	736	1-ethyl-3-methylimidazolium	US-PGPUB; USPAT	OR	ON	2009/09/15 14:26
S14	7	S6 and S13	US-PGPUB; USPAT	OR	ON	2009/09/15 14:26
S15	8	"4652341"	US-PGPUB; USPAT	OR	ON	2009/09/15 14:27
S16	17	S3 and S13	US-PGPUB; USPAT	OR	ON	2009/09/15 14:33
S17	25	S4 and S13	US-PGPUB; USPAT	OR	ON	2009/09/15 14:33
S18	192	1-ethyl-3-methylimidazolium	EPO; JPO; DERWENT	OR	ON	2009/09/15 14:34
S19	13523	delignif\$ or lignin	EPO; JPO; DERWENT	OR	ON	2009/09/15 14:34
S20	2	S18 and S19	EPO; JPO; DERWENT	OR	ON	2009/09/15 14:34
S21	8295	wood adj pulp or cellulose adj pulp	EPO; JPO; DERWENT	OR	ON	2009/09/15 14:35
S22	4	S18 and S21	EPO; JPO; DERWENT	OR	ON	2009/09/15 14:35
S23	7	"2076034"	EPO; JPO; DERWENT	OR	ON	2009/09/15 14:38
S24	384986	phenyl or benzenesulfonate or phenolsulfonic	US-PGPUB; USPAT	OR	ON	2009/09/15 14:48
S25	13964	aryl adj sulfonate or xylene adj sulfonate	US-PGPUB; USPAT	OR	ON	2009/09/15 14:48
S26	35	S6 and S25	US-PGPUB; USPAT	OR	ON	2009/09/15 14:48
S27	3370	4-Phenol adj sulfonic adj acid or Phenolsulfonic adj acid or p- Hydroxybenzene adj sulfonic adj acid or Phenol-4-sulfonic adj acid or p-Hydroxybenzenesulfonic adj acid	US-PGPUB; USPAT	OR	ON	2009/09/15 14:52
S28	1173	S3 and S27	US-PGPUB; USPAT	OR	ON	2009/09/15 14:52
S29	7	S3 and S4 and S27	US-PGPUB; USPAT	OR	ON	2009/09/15 14:52
S30	16612	ionic adj liquid or liquid adj electrolytes or ionic adj melts or ionic adj fluids or fused adj salts or liquid adj salts or ionic adj glasses	US-PGPUB; USPAT	OR	ON	2009/09/15 14:59
S31	151	1-Butyl-3-methylimidazolium adj hexafluorophosphate	US-PGPUB; USPAT	OR	ON	2009/09/15 15:01
S32	139	S30 and S31	US-PGPUB; USPAT	OR	ON	2009/09/15 15:01
S33	0	S30 and S31 and S6	US-PGPUB; USPAT	OR	ON	2009/09/15 15:02
S34	1	S30 and S31 and S3	US-PGPUB; USPAT	OR	ON	2009/09/15 15:02

S35	1	S31 and S3	US-PGPUB; USPAT	OR	ON	2009/09/15 15:02
S36	0	S31 and S6	US-PGPUB; USPAT	OR	ON	2009/09/15 15:02
S37	114937	imidazole	US-PGPUB; USPAT	OR	ON	2009/09/15 15:07
S38	85	S6 and S37	US-PGPUB; USPAT	OR	ON	2009/09/15 15:07
S39	118851	imidazole or imidazolium	US-PGPUB; USPAT	OR	ON	2009/09/15 15:11
S40	97	S6 and S39	US-PGPUB; USPAT	OR	ON	2009/09/15 15:11
S41	7129	imidazolium	US-PGPUB; USPAT	OR	ON	2009/09/15 15:14
S42	13	S6 and S41	US-PGPUB; USPAT	OR	ON	2009/09/15 15:14

9/ 23/ 2009 2:47:01 PM

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